For another example, the experiment of May 23rd gives

$$z = \cdot 996759$$

and $$\frac{v}{z\,w} = 1\cdot 49685.$$

Or, the ratio of the velocities appears still to be, when fully considered, nearly 1·492, as we have taken it to be, at an incidence nearly perpendicular.

These experiments, then, give no adequate ground for maintaining the incorrectness of the hypothesis that the velocity in refracting bodies is inversely as their refractive indices.

On a careful re-examination of the thickness of the glass, of the value of the threads of the screw by which were measured the distances *i i* and *e f*, and of the other parts of the apparatus, I could find no ground to suppose the results I had obtained were influenced materially by any other imperfection besides the aberration at the focus of the lens.

I shall consider it exceedingly important to determine whether, when an achromatic lens of short focus is used to form the luminous point, the central band of direct interference given by two mirrors is black, as it has appeared to me, and to several friends to whom I have shown it, when adequately tried with a common lens,—contrary to what the undulationists would have us believe it to be. If the central band shall still be found black, I shall submit to those who are not perfectly wedded to the undulatory theory, that it *must fall*. If, however, when adequately tried, the experiment shall exhibit the central band white, I shall consider *one of my greatest* difficulties to receiving the undulatory theory to be removed.

LVI. *Descriptions of several new British Forms amongst the Parasitic Hymenopterous Insects.* *By* J. O. Westwood, *F.L.S. &c.**

[Continued from vol. ii. p. 445.]

25. *Streblocera*, Westw.

Alysiæ affinis. Caput anticè bituberculatum. Antennæ ferè longitudine corporis 16-articulatæ, articulo 1mo longo (capite longiori) subtùs dente valido armato, 2do brevi apice prioris obliquè inserto, 3tio paullò majori, 4to etiam obliquè inserto, hoc et reliquis filiformibus. Collare angustum. Abdomen subrhomboideum pedunculo brevi. Alæ anticæ stigmate magno, areolâ 1 marginali brevi, areolâ 1mâ submarginali cum discoidali effusâ.—*Strebl. fulviceps*, Westw. Piceo-nigra, nitida, capite fulvo, oculis ocellisque nigris, antennis fuscis, articulis 3 basalibus fulvis, pedibus fuscis, femoribus

* Communicated by the Author.

fulvescentibus; alarum stigmate nervisque pallidè fuscis. Long. Corp. lin. 1. Coombe, Aug. 1833.

26. *Basalys*, Westw.

Aneurhynchum (antennis) cum *Spilomicro* (alis) arctè conjungens. Os haud rostratum. Antennæ ♂ 14-articulatæ, articulis 2 et 3 brevibus, 4to magno, externè producto, reliquis subæqualibus tenuibus. Alæ magnæ nervis duobus subcostalibus tertiam alæ partem accedentibus, nervo transverso illorum apicem connectente cum nervo ex illorum medio exeunti areolam triangularem formantibus stigmate magno internè retro-producto, nervisque quibusdam longitudinalibus ferè obliteratis.—*Bas. fumipennis*, Westw. Niger, nitidus, pilis longis ornatis, alis fuscescentibus, stigmate nervoque transverso nigris, nervis reliquis fuscis, apice femorum tibiarumque piceo, tibiis piceo-nigris. Long. lin. 1¾. Prope Londinum. R. Lewis.

27. *Elasmus*, Westw.

Ex *Eulopho typicali* differt antennis ♂, articulis 3, 4 et 5 brevissimis ferè coalitis (singulo ramum longum emittenti), 6to longo, reliquis clavam formantibus; ♀ ut videtur 10-articulatæ, 3 et 4 annuliformibus, 5, 6, 7 oblongis, 8, 9, 10 clavam formantibus, metathorax (♂ ♀) utrinque ad latera in laminam magnam concavam posticè productus.—Alæ angustissimæ. Pedes longissimi femoribus magnis.—*Eulophus flabellatus.* Fonscol. Ann. Sc. Nat., Jul. 1832. (Descr. antennarum vitiosa). Coombe, Aug. 1833.

28. *Stenomesius*, Westw.

Euplectro affinis. Caput lutiusculum. Antennæ longiores, ♂ graciles, ♀ subincrassatæ, 9-articulatæ, articulo 2do 3tio dimidio breviori, clavâ 3-articulatâ. Thorax anticè collari attenuatus; abdomen pedunculo brevi, ♂ parvum spatuliforme, ♀ majus, ovatum. Alæ magnæ. Pedes sat elongati tibiis intermediis, ♂ attenuatis, apice subclavatis.—1. *Sten. pulchellus*, Westw. ♂. Capite nigro, antennis nigris, basi subtùs pallidis, collari et mesothorace fulvo-testaceis, parapteris nigris metathorace nigro, abdomine nigro, basi maculâ magnâ fulvâ, pedibus fulvis, anticorum femoribus basi tibiisque apice fuscis, intermediorum tibiis apice tarsisque totis nigris; alis immaculatis. Variat collari scutelloque plùs minùsve nigro notatis. Long. lin. ¾. Exp. Alar. 1¾. Prope Londinum et Cantabrigiam.—2. *Sten. maculatus*, Westw. ♀, Capite fulvo maculâ occipitali lineâque pone oculos nigris, antennis nigris articulo basali fulvo, thorace ut in præcedenti colorato, abdomine nigro basi fasciâ tenui lineâque brevi fulvis, pedibus fulvis, tarsorum apice fusco, alis maculâ centrali fuscescenti. An ♀ præcedentis? Long. lin. 1. Exp. Alar. 1¾. Prope Londinum. R. Lewis.

29. *Cheiloneurus*, Westw.

Encyrtum (pedibus) cum *Eupelmo* (alis) conjungens. Caput sat magnum. Mandibulæ 3-dentatæ. Antennæ prope os insertæ, ferè thoracis longitudine, versus apicem subclavatæ, 11-articulatæ, articulo 2do 3tio majori. Thorax oblongo-quadratus, anticè collari attenuato, scutello posticè fasciculato; abdomen ovatum depressum posticè acuminatum. Alæ anticæ nervo stigmaticali brevissimo à loco conjunctionis nervi subcostalis cum costâ paullò remoto. Pedes ut in Encyrto.—*Cheil. elegans*, Dalm. (*Encyrtus* et *Eupelmus*). Capite obscurè æneo, oculis antennisque nigris; his basi et apice pallidioribus, thorace cinerascenti-æneo, scutello flavo, abdomine nigro, cupreo nitenti, alis fuscis, in medio obscurioribus, basi atque prope et sub stigmata albis, pedibus pallidè testaceis, femoribus tibiisque posticis obscuris, tibiarum 4 posticarum basi albo. Long. Corp. lin. ⅝. Expans. Alar. lin. 1¼. Richmond Park, Aug. 1833.

30. *Ectroma*, Westw.

Encyrtum (pedibus) cum *Theocolace* (habitu) conjungens. Caput crassum mandibulis 3-dentatis. Antennæ inter partem inferiorem oculorum insertæ, ferè corporis longitudine, sensim incrassatæ, 9-articulatæ, articulo 3tio 2do minori, 9no 8vo haud majori. Thorax oblongo-quadratus collari acuminato. Alæ rudimentales.—*Ectr. fulvescens*, Westw. Capite thoraceque pallidè fulvis, æneo submicantibus, abdomine obscurè testaceo metallico, oculis et antennis nigris, his basi subtùs, apiceque articuli terminali pallidis pedibus fulvis, tarsorum apice nigro. Long. lin. ¾. Coombe, Aug. 1833.

31. *Pteroptrix*, Westw.

Agonioneuro affinis. Corpus brevissimum, latum, depressum. Caput transversum oculis magnis pilosis. Antennæ 8-articulatæ, articulis 2 et 3 æqualibus, 4to paullò minori, 5, 6, 7 multò majoribus, 8vo minutissimo. Thorax ferè quadratus. Scutellum magnum. Alæ magnæ, apice longè pilosæ, nervo stigmaticali brevi angulum acutum formante. Abdomen sessile, brevissimum, apice mucronatum. Tarsi 4-articulati.—*Pter. dimidiatus*, Westw. Piceo-niger, scutello albido, antennis flavis, articulo 7mo obscuriori, alarum dimidio basali fusco, pedibus pallidis, femoribus tibiisque basi fuscis. Long. Corp. lin. ¼. In quercu, Richmond Park, Aug. 1833.

32. *Coccophagus*, Westw.

Agonioneuro affinis, differt antennis 8-articulatis, articulo 2do 3tio minori, hoc et duobus sequentibus ferè æqualibus, ultimis 3iis clavam, vix articulo præcedenti crassiorem, formantibus. Tarsi 5-articulati; nervus stigmaticalis brevis apice conoideus. Habitat in Coccis.—Sp. 1. *Entedon scutellaris*, Dalm. Sw. Tr. 1825. 365*.—Sp. 2. *Cocc. pulchellus*, Westw. Pallidè flavus, oculis, thorace anticè abdomineque nigris, antennarum flagello thoracisque lateribus obscurioribus, pedibus flavis, tarsorum apice fusco. Long. lin. ½. Exclusus e *Cocc. aceris*, Jun. 1833.—Sp. 3. *Cocc. obscurus*, Westw. Niger, abdomine nitido, antennis fuscescentibus, pedibus sordidè albidis, tarsorum apice fusco, femoribus intermediis basi, posticis totis, tibiisque posticis basi fuscis. Alarum nervo fusco. Long. lin. ¾. Habitat cum præcedenti. Sp. 4. *Entedon insidiator*, Dalm. l. c. 371.

LVII. *Characters of some undescribed Genera and Species of* Araneidæ. *By* John Blackwall, *Esq. F.L.S. &c.*†

Tribe, Inequitelæ, Latreille.

Genus, *Neriene*, } mihi.
Neriene bicolor, }

CEPHALOTHORAX inversely heart-shaped, convex above, and glossy, with an indentation in the medial line of the posterior region. Mandibles robust, conical, perpen-

* Dalman observes upon this species, "Dubii facile generis, Entedoni proximus, sed ad Encyrtum quoque accedere videtur," a remark which applies both to *Coccophagi* and *Agonioneuri*. Were, however, the latter genus synonymous with *Aphelinus*, Dalman would doubtless, from the intimate affinity of the two genera, have placed *Ent. scutellaris* with *Aphelinus*. The number of joints in the antennæ is also different in *Agonioneurus* and *Aphelinus*.

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